## Contents

Marine Geology Volume 97, 1991

Research Papers	
Stable isotopic and carbonate cyclicity in Lower Cretaceous deep-sea sediments: Dominance of diagenetic effects	
H.R. Thierstein (Zurich, Switzerland) and P.H. Roth (Salt Lake City, Utah, U.S.A.)	1
Onlap, offlap, and the origin of unconformity-bounded depositional sequences	
N. Christie-Blick (Palisades, N.Y., U.S.A.)	35
Origin, evolution, and distribution of shoreface sand ridges, Atlantic inner shelf, U.S.A.	
R.A. McBride (Baton Rouge, La., U.S.A.) and T.F. Moslow (Edmonton, Alta., Canada)	57
Tidal resuspension of sediments in northern Chesapeake Bay	
L.P. Sanford (Cambridge, Md., U.S.A.) and W. Panageotou and J.P. Halka (Baltimore, Md., U.S.A.)	87
Clay-mineral accumulation rates in the Arabian Sea during the late Quarternary	
F. Sirocko and H. Lange (Kiel, Germany)	105
Mineralogy and provenance of the clastic deposits of the modern intertidal environment of the northern Arabian Gulf	
D. Al-Bakri and M. El-Sayed (Safat, Kuwait)	121
Evaporitic sediment distributions in Al-Kharrar sabkha, west Red Sea coast of Saudi Arabia, as revealed from electrical soundings	
Y.I. El Abd and M.B. Awad (Alexandria, Egypt)	137
Clay mineralogy and chemistry as indicators of hemipelagic sediment dispersal south of the Aleutian arc	
E.G. Hathon and M.B. Underwood (Columbia, Mo., U.S.A.)	145
Evolution of the Philippine and Japan Seas from the clastic sediment record	
V.P. Nechaev(Vladivostok, U.S.S.R.)	167
Late Quaternary evolution of the Gulf of Patras, Greece: Tectonism, deltaic sedimentation and sea-level change	
G. Chronis (Athens, Greece), D.J.W. Piper (Dartmouth, N.S., Canada) and C. Anagnostou (Athens, Greece)	191
Gravel drift and wind effects on the macrotidal San Sebastian Bay, Tierra del Fuego, Argentina	
F.I. Isla (Mar del Plata, Argentina), F.E. Vilas (Vigo, Spain), G.G. Bujalesky and M. Ferrero (Ushuaia, Argentina),	
G. Gonzalez Bonorino (Buenos Aires, Argentina) and A. Arche Miralles (Madrid, Spain)	211
Video estimation of subaerial beach profiles	
R.A. Holman, T.C. Lippmann and P.V. O'Neill (Corvallis, Oreg., U.S.A.) and K. Hathaway (Kitty Hawk, N.C., U.S.A.)	225
Peruvian coastal upwelling: Late Quaternary productivity changes revealed by diatoms	
H. Schrader and R. Sorknes (Bergen, Norway)	
Monsoonal and fertility controls on Recent marginal sea and continental shelf coccolith assemblages from the western Pacific and northern Indian oceans	
S.D. Houghton (Milton Keynes, U.K.) and M.V. Shankaranarayana Guptha (Goa, India)	251
Tectonic connection of the Hellenic and Cyprus arcs and related geotectonic elements	
G. Anastasakis (Athens, Greece) and G. Kelling (Keele, U.K.)	261
The Messinian event on the margin of the Mediterranean Sea in the Nice area, southern France	
B. Savoye (Plouzané, France) and D.J.W. Piper (Dartmouth, N.S., Canada)	279
Gravel-barrier migration and overstepping	
D.L. Forbes and R.B. Taylor (Dartmouth, N.S., Canada), J.D. Orford (Belfast, U.K.), R.W.G. Carter (Coleraine, U.K.)	
and J. Shaw (Dartmouth, N.S., Canada)	305
Temporal evolution of overlapping spreading centers at 16°20'N on the East Pacific Rise	
H. Sloan (Santa Barbara, Calif., U.S.A.)	
Shoreline deposits and diagenesis resulting from two Late Pleistocene highstands near +5 and +6 metres, Durban, South Africa	
J.A.G. Cooper (Congella, South Africa) and R.M. Flores (Denver, Colo., U.S.A.)	325
The Crary Fan: A trough-mouth fan on the Weddell Sea continental margin, Antarctica	
B. Kuvaas and Y. Kristoffersen (Bergen, Norway)	345
Sediment failure on the Korea Plateau slope, East Sea (Sea of Japan)	
H.J. Lee, S.K. Chough, S.S. Chun and S.J. Han (Seoul, Korea)	36.
Unconsolidated reefal sediments in the Jubal Strait region, Red Sea, Egypt	
A.A. Moussa, M.A. El-Askary, S.M. Nasr and M.H. El-Mamoney (Alexandria, Egypt)	379

The Corrubedo beach-lagoon complex, Galicia, Spain: Dynamics, sediments and recent evolution of a mesotidal coastal embayment	in), L. Rey (Vigo, Spain), A. Ramos (Madrid, Spain), M.A. Nombela (Vigo,
F. Vilas (Vigo, Spain), A. Sopeña (Madrid, Spain), L. Rey (Vigo, Spain), A. Ramos (Madrid, Spain), M.A. Nombela (Vigo, Spain) and A. Arche (Madrid, Spain)	
Geomorphologic evolution of El Toro Channel, Bahia Blanca Estuary (Argentina) prior to dredging G.M.E. Perillo and D.G. Cuadrado (Bahia Blanca, Argentina)	405
Biogenic influence on the growth of ferromanganese micronodules in the Central Indian Basin  R. Banerjee and S.D. Iyer (Goa, India)	413
In Memoriam: Dr. Michael J. Keen	423

